

## Math 4022 (Introduction to Graph Theory) Fall '10

- **Instructor:** Asaf Shapira
- **Time/Location:** Howey (Physics) S204, Tuesday/Thursday 13:30-15:00
- **Office hour and location:** Skiles 262. Please schedule with me.
- **Contact info:** asafico@math.gatech.edu
- **Prerequisites:** MATH 3012 or equivalent

### Suggested Reading:

- *Graph Theory*, by R. Diestel (3<sup>rd</sup> edition, Springer). Free electronic version available at <http://diestel-graph-theory.com>
- *Introduction to Graph Theory*, by Doug West (2<sup>nd</sup> edition, Prentice-Hall, 2001).
- *Graph Theory with Applications*, by J.A. Bondy and U.S.R. Murty (North-Holland, 1976): available for free download at <http://www.ecp6.jussieu.fr/pageperso/bondy/books/gtwa/gtwa.html>

**Course Objective:** To develop interest in graph theory and its many applications

**General grading policy : Homeworks 40%, Final Exam 60%. You must pass the final exam!**

Homeworks will be assigned, collected and graded on a regular basis. You are strongly advised to (attempt to) solve all the homework problems. You are allowed to discuss your homework assignments with other students, but you are required to write the solutions on your own. In other words, you are **not** allowed to copy another student's solution.

**Late submission of HWs is discouraged with a penalty of 20%.**

### Suggestions:

- Please feel free to ask questions at any time: before, after or during the class.
- Please make use of my office hours.
- Class participation and discussion is highly encouraged.

**Academic Dishonesty:** All students are expected to comply with the Georgia Tech Honor Code. Any evidence of cheating or other violations of the Georgia Tech Honor Code will be submitted directly to the Dean of Students. The institute honor code is available at <http://www.deanofstudents.gatech.edu/Honor/honorcode.txt>